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Charles Louis Fefferman is a Full Professor at Princeton University. In 1966, he received his Bachelor's degrees in physics and mathematics from the University of Maryland, and three years later a PhD in mathematics from Princeton University under the supervision of Elias Stein. In 1971, Fefferman received a full professorship at the University of Chicago. He returned three years later to Princeton. Awards: Fields Medal, Salem Prize, Bôcher Memorial Prize, and Alan T. Waterman Award.

Formation of singularities in fluid interfaces

Abstract

The talk describes several problems for which which initially smooth fluid interfaces form singularities in finite time.